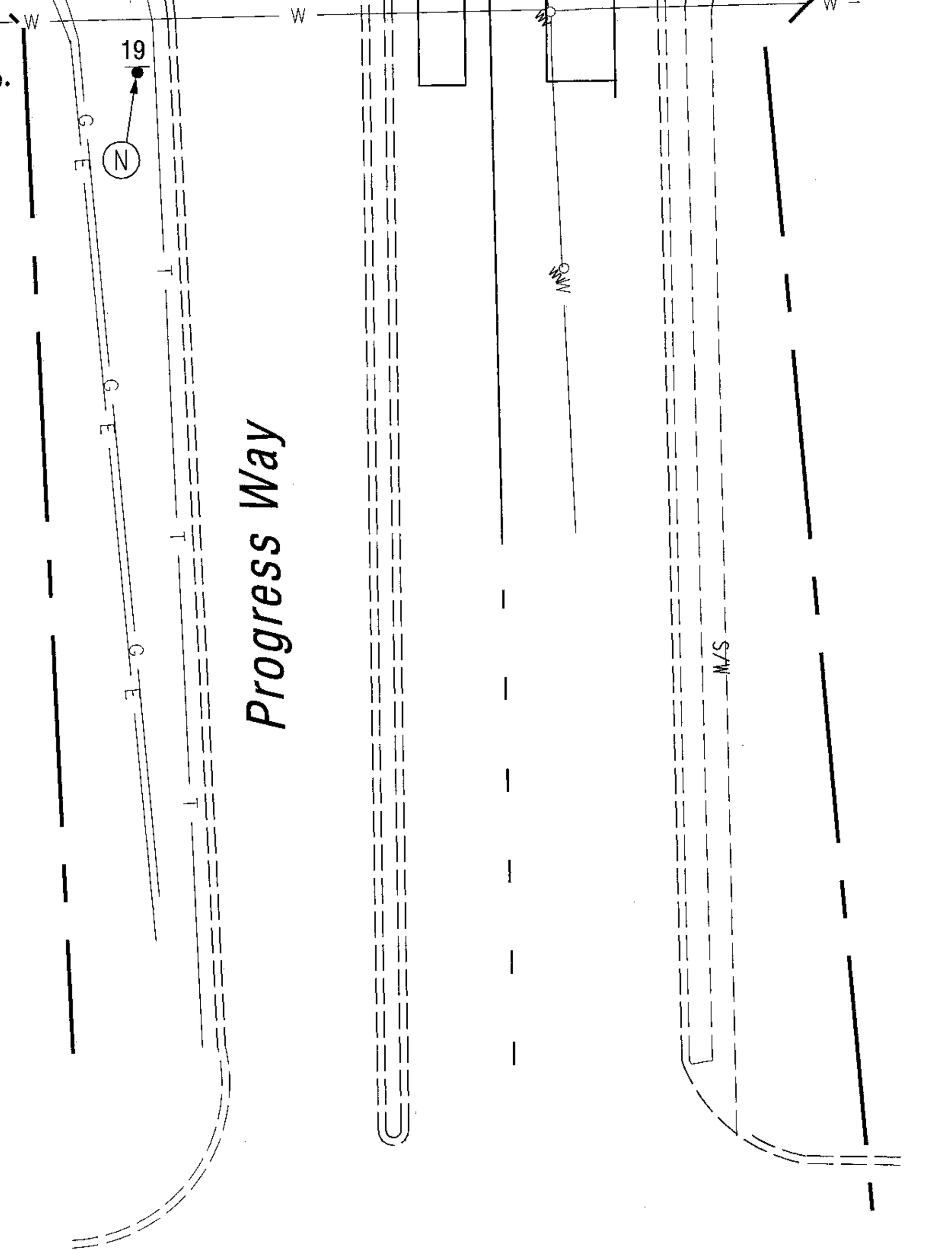
CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment for an underground electrical MD-SHA Type 807.05-01 service.
B. Install 21 ft. steel mast arm pole [cut from a 27 ft. pole] with a 50 ft. mast arm, vehicle signal heads, sign, video camera, pedestrian signal head, pedestrian pushbutton, and pedestrian pushbutton sign (Note: one 3 in. PVC conduit bend).
C. Install 27 ft. steel mast arm pole with a 38 ft. mast arm, vehicle signal heads, signs, pedestrian puhbutton, pedestrian signal head, pedestrian pushbutton sign, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
D. Install 27 ft. steel mast arm pole with a 60 ft. mast arm, vehicle signal heads, signs, video camera 15 ft. luminaire arm and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
E. Install handhole.
F. Remove existing pavement markings by grinding.
G. Install 4 in polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
L. Install depressed curb.
M. Install Non-Invasive micro-loop probe (set of 3).
N. Install ground mounted sign as shown.
O. Install 12 in. wide Thermoplastic pavement marking - white for crosswalk.
P. Install 24 in. wide Thermoplastic pavement marking - white for stop line.
Q. Installed as part of Interconnect Plan.
R. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored (for electrical service0.
S. Install 5 in. wide double yellow pavement marking - for center line.
T. Relocate existing ground mounted sign as shown.
U. Remove /Replace existing sign.
V. Remove existing sign when signal is placed into operation.
W. Install 5 in. wide white pavement marking - for lane line.
X. Tie new pavement marking to existing pavement marking.
Y. Isolated electrical service pedestal (Model # M208CP6hP) with 2.5 in. PVC [Schedule 80] conduit.



GEOMETRIC LEGEND

- EXISTING GEOMETRICS
- PROPOSED GEOMETRICS

UTILITY LEGEND

- G — G — GAS MAIN
- W — W — WATER MAIN
- S — S — SEWER MAIN
- E — E — ELECTRIC CABLES
- D — D — STORM DRAIN
- A — A — AERIAL CABLES
- T — T — TELEPHONE CABLES

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings are to be considered as existing.
4. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

SHA: CL329A53|853   TSD: AT717-83

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REVISIONS

APPROVALS

AKBeall 3-28-05
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
3/28/05 for Dimitrios A. Zafiris
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
3/29/05 for Barry King
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
3/30
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 32 at Progress Way

DRAWN BY:	Frank Hoeckel	F.A.P. NO.	N/A	TS NO. 4410	SHEET NO.
CHECKED BY:		S.H.A. NO.	AT7175185		
SCALE:	1" = 20'	COUNTY:	Carroll	T.I.M.S. NO. G-641	1 OF 3
DATE:	March 14, 2005	LOG MILE:	06003204.07		

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